**Design database**

Assuming Property has some primary fields below

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Name | Type | Description |
| 1 | ID | String | Identifier, it is primary key |
| 2 | Name | String | Name of Property |
| 3 | Description | String | Description for Property |
| 4 | Price | Double | Price of Property |
| 5 | Type | Enum | Kind of Property |
| 6 | Status | Enum | Status of Property |
| 7 | Status Comment | String | Comment when approve or reject |
|  |  |  | May be have some fields for audit too |

**Design APIs**

APIs document is stored YAML folder of this project. We use Swagger 2.0 to define APIs document

All endpoint need implement a ‘apikey’ in header, value of ‘apikey’ is in API\_KEY table, can check in dataload.sql file src\main\resources\schema.sql

* **Seach Property, with search term in query param**

GET /property?term=KEYWORD

* **Create new a Property**

POST /property

{

"name": "Old Farm",

"desc": "Beautiful Old Farm",

"price": 1.5,

"userId": "khoavu",

"type": "AGRICULTURE",

"status": "PENDING"

}

* Update a Property

{

"name": "Old Farm",

"desc": "Beautiful Old Farm",

"price": 1.5,

"userId": "khoavu"

}

* **Approved Property**

{

"status": "APPROVED",

"statusComment": "Approved this property",

"userId": "khoavu"

}

**Code Implement**

Code structure

Test

Run

Limitations